

Tnp1 recognized target (TRT)

A TRT'' (244bp)

GGTACCGCCAGCATTTCGGAAAAAAACCAACGCTAAGAAAATCAGAGTTAAAA
AATCAGAAAAATATATCATTATTCCAAGACACATACAGTGTCTTTTTTATACAA
AAAAATAATACAACACAATATTAATTGTGTTGTATTAGGTGTTATAATA
AATATAAATCTAGGGGTTTAACGCAACACAATTTATCGATAAATAAAT
ACTTTTAGACGCAACACAATTTATAGACGCGGAGGAAATCAC

B TRT' (116bp)

TAATACAACACAATATTAATTGTGTTGTATTAGGTGTTATAATAAATA
TAAATCTAGGGGTTTAACGCAACACAATTTATCGATAAATAAATACTTT
TAGACGCAACACAATTTATAGACGCGGAGGAAATCAC

C TRT (32bp)

TAATACAACACAATATTAATTGTGTTGTATTA

FIG. 1A-C

FO0E90-5E45660

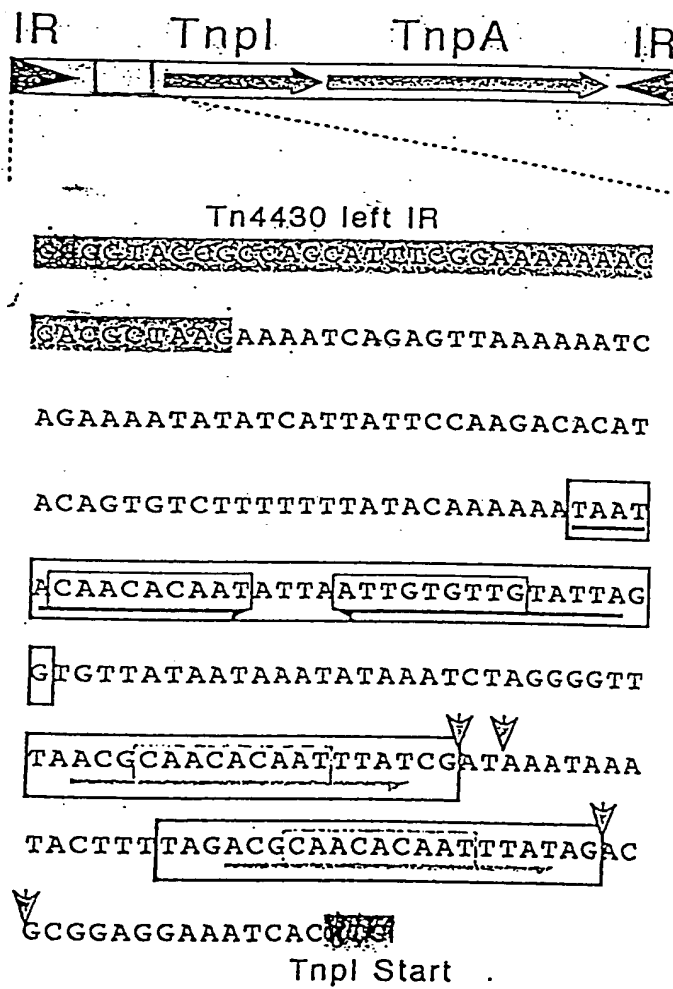
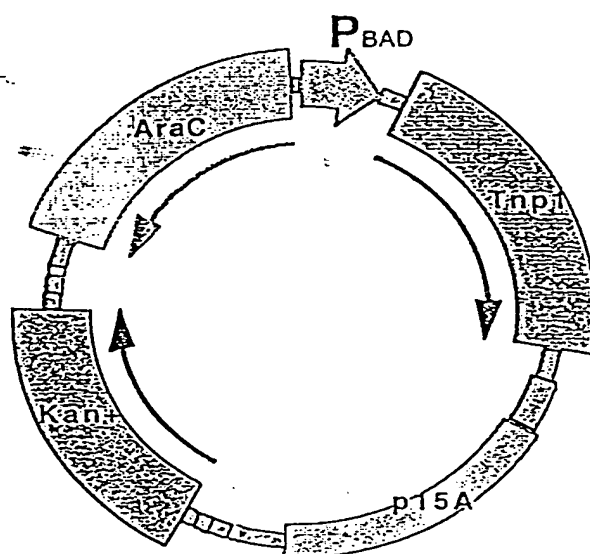


FIG. 2

1	ATG	GAT	GTT	GCA	AAA	CAG	TTT	TCT	TCT	TAT	CTT	AAA	CAA	GAG	AAT	AAA	ACC	GAG	AAC
1	Met	Asp	Val	Ala	Lys	Gln	Phe	Ser	Ser	Tyr	Leu	Lys	Gln	Glu	Asn	Lys	Thr	Glu	Asn
58	ACT	GTT	CAG	GGA	TAC	ACA	TCA	GGT	ATT	AGA	CAG	TAC	ATA	AAA	TGG	TTT	GAA	GGT	TCC
20	Thr	Val	Gln	Gly	Tyr	Thr	Ser	Gly	Ile	Arg	Gln	Tyr	Ile	Lys	Trp	Phe	Glu	Gly	Ser
115	TAT	GAC	AGA	AAA	TTA	ACA	AAA	TTG	TAC	CGA	CAA	AAT	ATC	TTA	GAG	TAC	ATT	AGT	TAT
39	Tyr	Asp	Arg	Lys	Leu	Thr	Lys	Leu	Tyr	Arg	Gln	Asn	Ile	Leu	Glu	Tyr	Ile	Ser	Tyr
172	TTA	AAG	AAT	GTC	AAA	ATG	TTG	AAC	GCC	AAG	TCC	ATT	AAC	CAC	AAG	ATT	AGT	AGC	CTT
58	Leu	Lys	Asn	Val	Lys	Met	Leu	Asn	Ala	Lys	Ser	Ile	Asn	His	Lys	Ile	Ser	Ser	Leu
229	GCT	AAA	TTT	AAT	GAA	TTT	CTA	ATA	CAG	AAA	GGA	AGT	CAA	CAA	GAT	CAA	GTA	ATT	TTA
77	Ala	Lys	Phe	Asn	Glu	Phe	Leu	Ile	Gln	Lys	Gly	Ser	Gln	Gln	Asp	Gln	Val	Ile	Leu
286	AAA	ACA	GAC	ATG	ATA	AAG	GTT	CAA	ACT	GTC	TAT	GCT	TCT	CCA	ACC	CAA	ATT	GTT	GAA
95	Lys	Thr	Asp	Met	Ile	Lys	Val	Gln	Thr	Val	Tyr	Ala	Ser	Pro	Thr	Gln	Ile	Val	Glu
343	TTA	GAT	GTA	AAA	AAG	TTT	TTA	CAA	AGT	GTC	TTA	GAG	GAT	AAT	AAC	AAA	CGT	AAT	TAT
115	Leu	Asp	Val	Lys	Lys	Phe	Leu	Gln	Ser	Val	Leu	Glu	Asp	Asn	Asn	Lys	Arg	Asn	Tyr
400	GCA	ATT	GCC	ACT	CTC	CTA	GCA	TAT	ACA	GGA	GTA	CGT	ATT	TCA	GAG	GCA	TTA	TCT	ATC
134	Ala	Ile	Ala	Thr	Leu	Leu	Ala	Tyr	Thr	Gly	Val	Arg	Ile	Ser	Glu	Ala	Leu	Ser	Ile
457	AAA	ATG	AAT	GAC	TTC	AAT	TTA	CAG	ACT	GGG	GAA	TGT	ATT	ATT	CGA	AGT	GGA	AAA	GGA
153	Lys	Met	Asn	Asp	Phe	Asn	Leu	Gln	Thr	Gly	Glu	Cys	Ile	Ile	Arg	Ser	Gly	Lys	Gly
514	GGT	AAA	CAA	CGA	ATT	GTA	TTA	CTA	AAT	AGT	AAG	GTA	CTT	AGT	GCT	ATC	AAA	GAT	TAT
172	Gly	Lys	Gln	Arg	Ile	Val	Leu	Leu	Asn	Ser	Lys	Val	Leu	Ser	Ala	Ile	Lys	Asp	Tyr
571	CTC	ATC	GAT	CGA	AAA	ACA	TAC	AGT	ACA	GCA	CAT	GAA	TCT	CCG	TAT	CTT	TTT	ATT	AGT
191	Leu	Ile	Asp	Arg	Lys	Thr	Tyr	Ser	Thr	Ala	His	Glu	Ser	Pro	Tyr	Leu	Phe	Ile	Ser
628	AAA	AAG	CGA	GAA	AAG	CTC	GAC	CGT	ACG	GTC	GTC	AAT	CGT	ATC	TTT	AAA	TCA	TAC	AGC
210	Lys	Lys	Arg	Glu	Lys	Leu	Asp	Arg	Thr	Val	Val	Asn	Arg	Ile	Phe	Lys	Ser	Tyr	Ser
685	AAT	GTT	ATT	ACT	CCA	CAC	CAA	TTA	CGA	CAC	TTC	TTC	TGT	ACG	AAT	GCA	ATT	GAA	AAA
229	Asn	Val	Ile	Thr	Pro	His	Gln	Leu	Arg	His	Phe	Phe	Cys	Thr	Asn	Ala	Ile	Glu	Lys
742	GGA	TTT	AGC	ATT	CAT	GAA	GTT	GCA	AAT	CAA	GCT	GGG	CAC	TCT	AAC	ATC	CAT	ACG	ACA
248	Gly	Phe	Ser	Ile	His	Glu	Val	Ala	Asn	Gln	Ala	Gly	His	Ser	Asn	Ile	His	Thr	Thr
799	CTA	CTT	TAC	ACA	AAT	CCA	AAC	CAA	CTG	CAG	CTA	AAA	AAT	AAA	ATG	GAG	CTC	TTA	TAA
267	Leu	Leu	Tyr	Thr	Asn	Pro	Asn	Gln	Leu	Gln	Leu	Lys	Asn	Lys	Met	Glu	Leu	Leu	...

FIG. 3

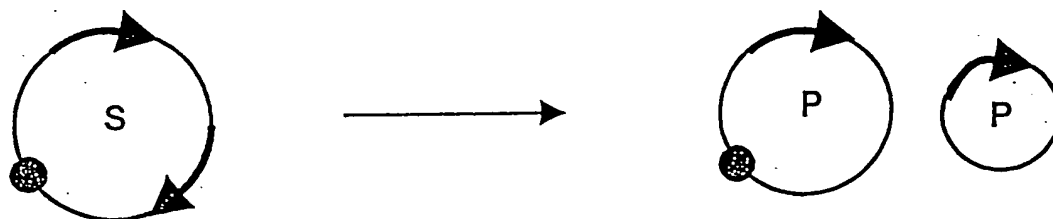


pYZ-BAD-Tnp1
4746bp

FIG. 4

009545-5456860

A



B

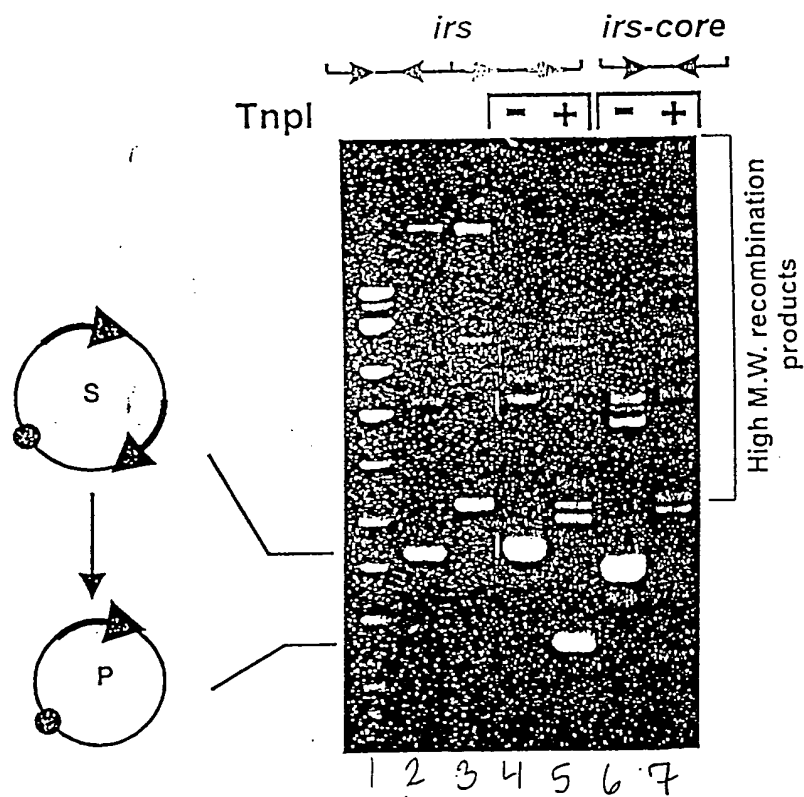


FIG. 5A-B

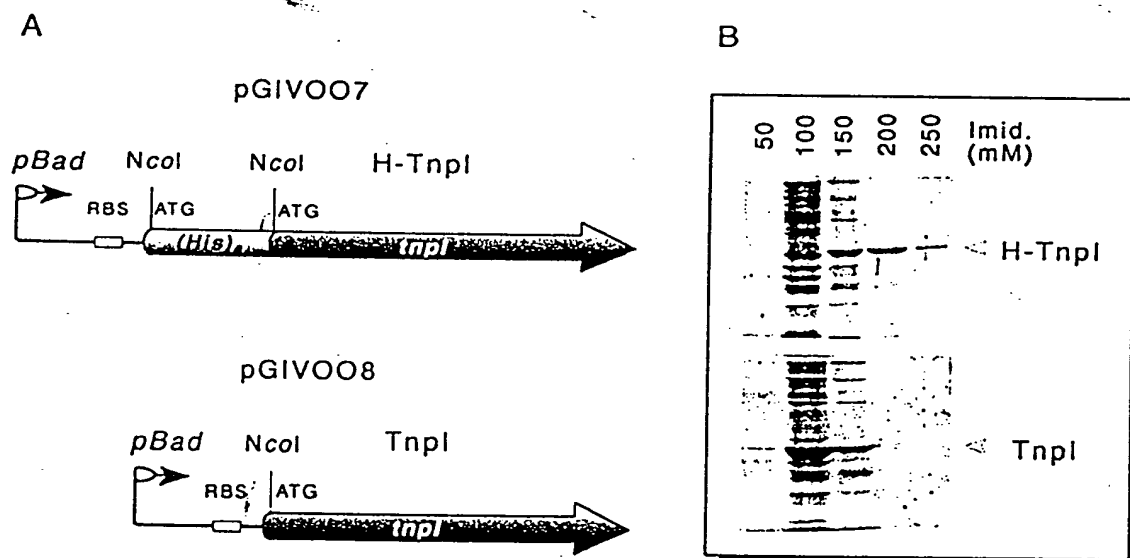


FIG. 6A-B

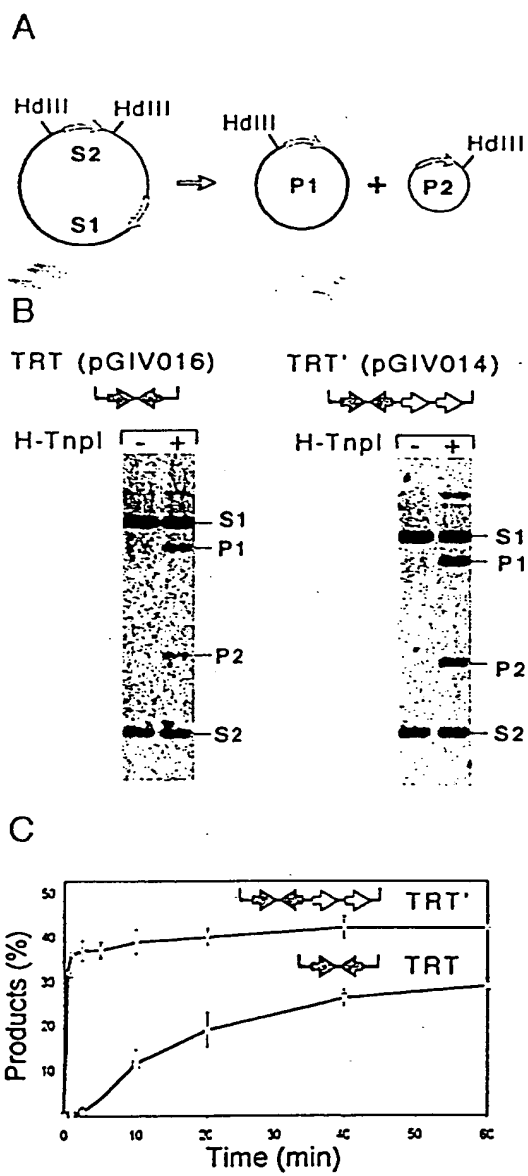


FIG. 7A-C

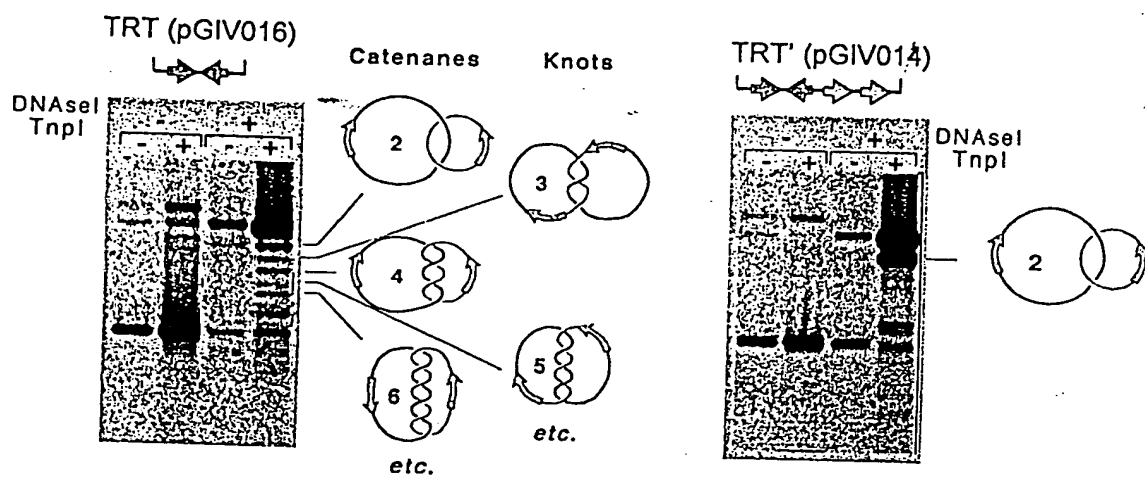


FIG. 8

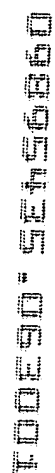


FIG. 9

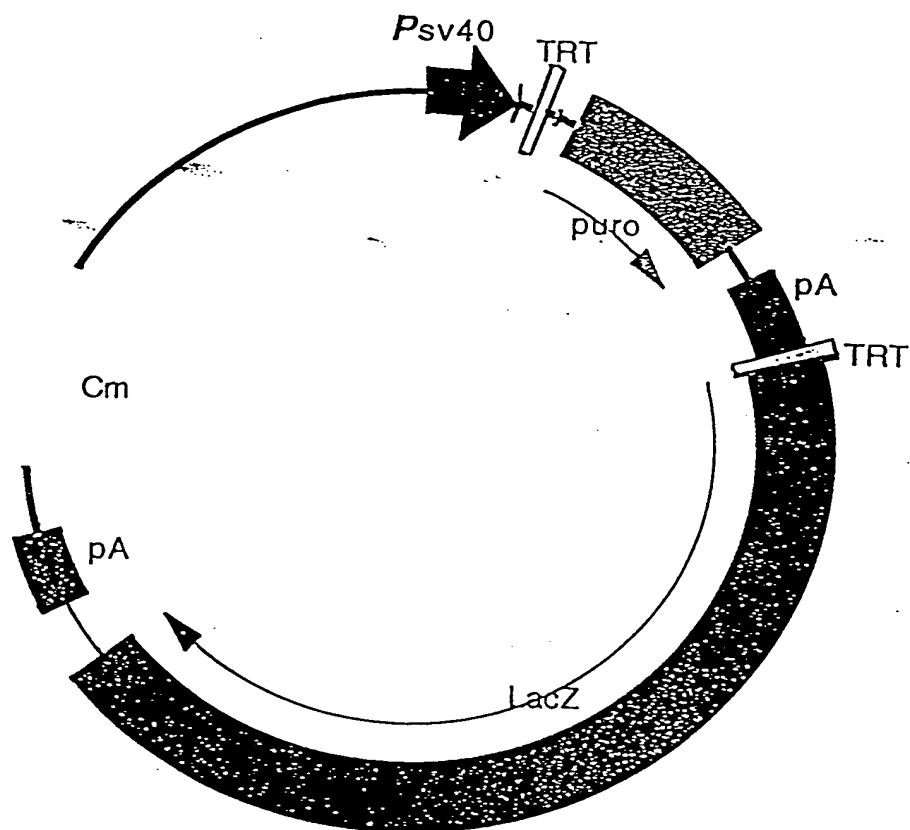


FIG. 10

T00E90" SE456860

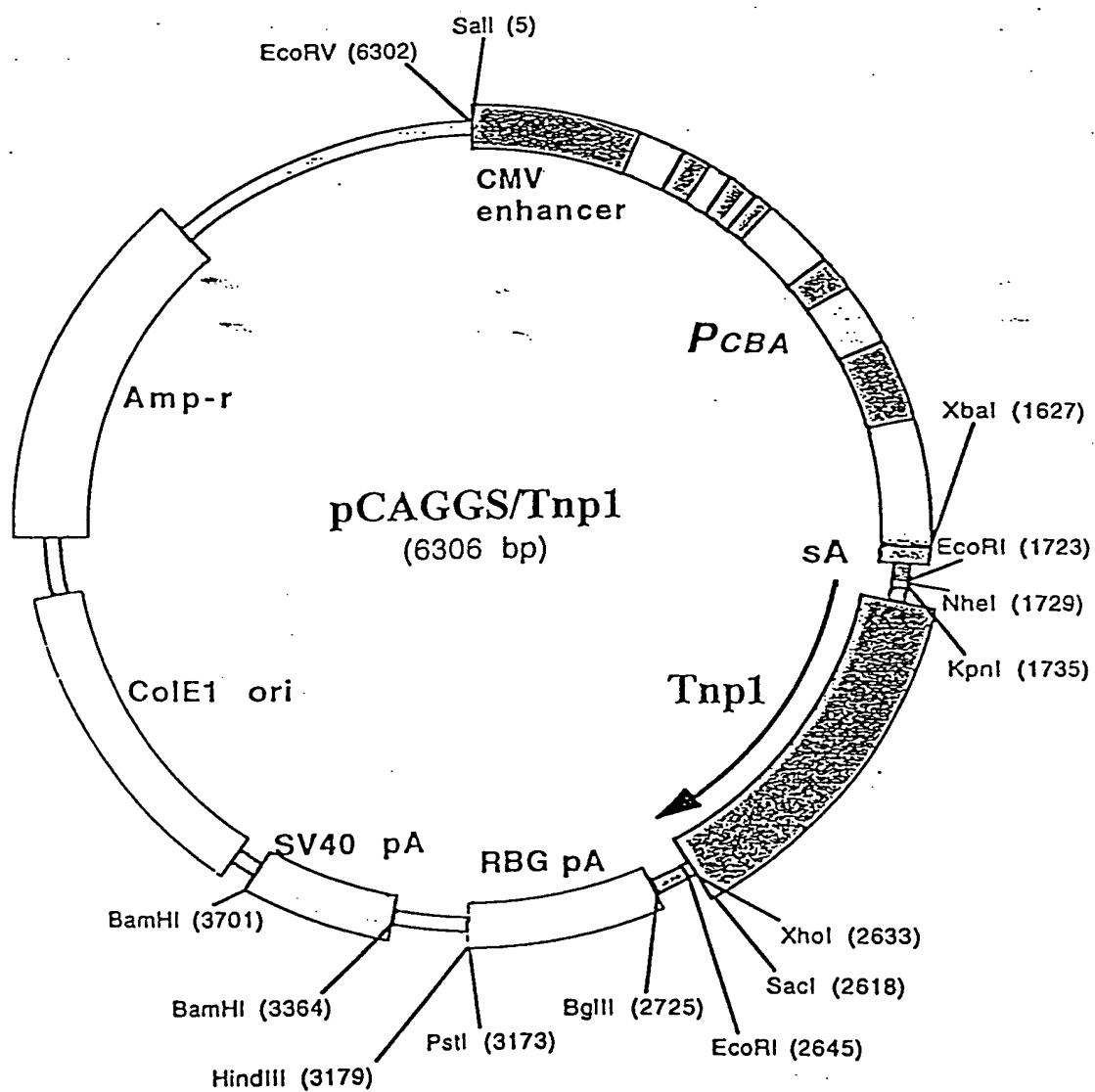


FIG. 11

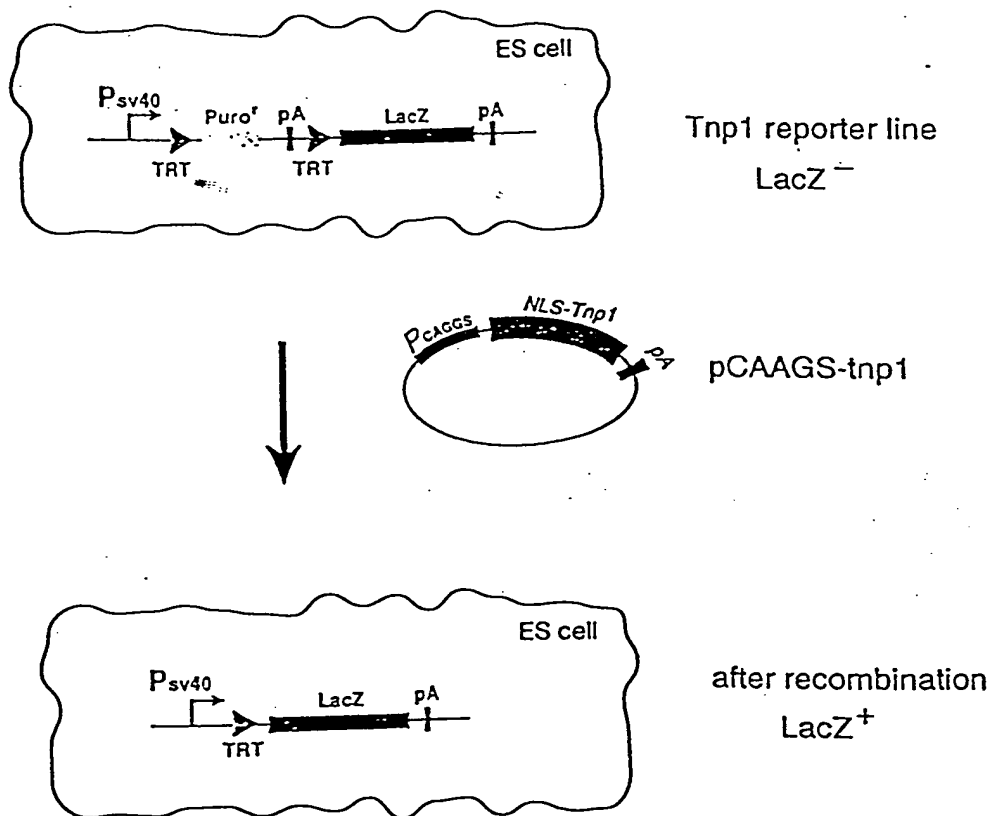


FIG. 12

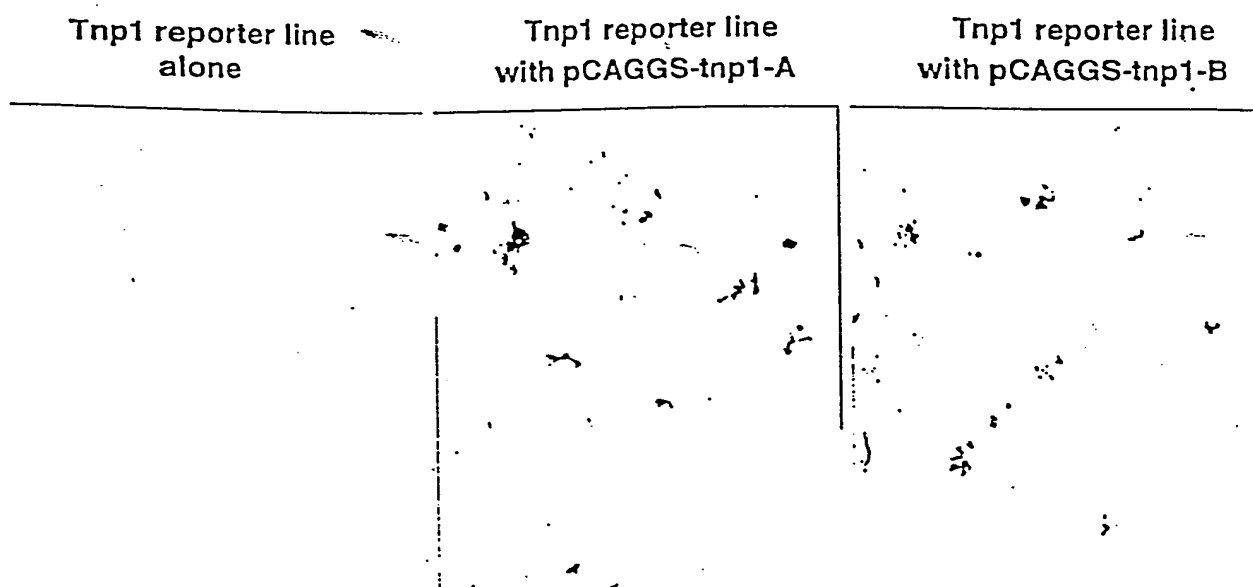


FIG. 13